

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Aloys Wobben
Application No. : 10/516,794
Filed : August 12, 2005
For : METHOD AND APPARATUS FOR TRANSPORTING
ELECTRICAL ENERGY

Examiner : Alexis Asiedua Boateng
Art Unit : 2858
Docket No. : 970054.479USPC
Date : October 2, 2009

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE

Commissioner for Patents:

In response to the Office Action dated July 9, 2009, please consider the following remarks.

Claims 1-3 and 5-25 are pending in this application. Claim 4 was previously canceled.

The Examiner rejected claims 1-13, 15-18 and 21-25 under 35 USC Section 102(b) as anticipated by Goldman (WO 92/03869). Although the Examiner references claim 4, claim 4 was previously canceled. The Examiner's rejections are respectfully traversed.

Independent claim 1 recites, "the storage device is arranged as a payload for the vehicle and in the receiving and transmitting of the electrical energy the storage device remains arranged as a payload for the vehicle." Independent claim 15 similarly recites, "[a] method of storing and transporting electrical energy by means of a vehicle carrying an electrical storage device as a payload."

With regard to claims 1 and 15, the Examiner points to battery 14 and cells of electrolytic reprocessing subsystem 16 as allegedly teaching a storage device arranged as a payload for a vehicle. The battery 14 and cells of reprocessing subsystem 16 of Goldman are part of a recharging station, and thus are not arranged as a payload for a vehicle. See Goldman at 6-7. The Examiner also points to page 7, lines 6-16, which recite “Discharged slurry is received a facility 18 from the electric vehicles 22 and from storage battery 14. The storage battery 14 provides, when necessary or economical, electrical power to transmission line 10 via conversion unit 12.” This says nothing about the battery 14 or the cells of reprocessing subsystem 16 being arranged as a payload for a vehicle. Accordingly, claims 1 and 15 are not anticipated by Goldman. Claims 2, 3, 7-14, and 20-24 depend from claim 1 and are not anticipated by Goldman at least by virtue of their dependencies, and in addition are allowable for the novel and non-obvious combinations recited therein. Claims 16-18 depend from claim 15 and are not anticipated by Goldman at least by virtue of their dependencies, and in addition are allowable for the novel and non-obvious combinations recited therein. Accordingly, claims 1-3, 7-18 and 20-24 are not anticipated by Goldman.

Independent claim 25 recites, “[a] vehicle, comprising: means for storing electrical energy ... arranged as a payload for the vehicle.” The Examiner points to Figure 4, item 74. Item 74 of Figure 4 is a tank that stores discharged fluid received from a vehicle. It is not arranged as a payload for a vehicle. Accordingly, claim 25 is not anticipated by Goldman.

The Examiner rejected claims 14 and 19 under 35 USC Section 103(a) as obvious over Goldman in view of U.S. Patent No. 5,349,535 issued to Gupta. The Examiner’s rejections are respectfully traversed. Claims 14 depends from claim 1. Claim 19 recites, “a vehicle carrying an electrical storage device as a payload.” The Examiner does not contend that Gupta teaches, suggests or motivates a storage device arranged as a payload of a vehicle, which as discussed above with regard to claim 1 is not taught, suggested or motivated by Goldman. Thus, the combination of Goldman and Gupta does not render obvious the recited storage device. Accordingly, claims 14 and 19 are not rendered obvious by Goldman, alone or in combination with Gupta.

In addition, claim 19 recites, “monitoring a number of charge/discharge cycles for each storage element; and outputting a corresponding notification when a predetermined number of cycles is reached.” The Examiner points to column 10:10-19 and column 11:66 to (presumably) column 12:8 of Gupta. The cited portions generally discuss maintaining data and providing transaction and service notifications when a vehicle is coupled to a charging station. There is no discussion of outputting a notification when a predetermined number of cycles is reached.

The Examiner rejected Claim 20 under 35 U.S.C. 103(a) as obvious over Goldman in view of Okada (U.S. 5,960,898). Claim 20 depends from claim 1. The Examiner does not contend that Okada teaches, suggests or motivates a storage device arranged as a payload of a vehicle, which as discussed above with regard to claim 1 is not taught, suggested or motivated by Goldman. Accordingly, claim 20 is not rendered obvious by Goldman, alone or in combination with Okada.

The Director is authorized to charge any additional fees due by way of this Amendment, or credit any overpayment, to our Deposit Account No. 19-1090.

All of the claims remaining in the application are now clearly allowable. Favorable consideration and a Notice of Allowance are earnestly solicited.

Respectfully submitted,
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